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DISSERTATIONS FOR DEGREES IN SCIENCE AND ENGINEERING
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PHYSICOMATHEMATICAL SCIENCES

For the Degree of Candidate in Sciences

- BELEVICH, V. F.** -- "The Energy of a Developing Cyclone." Main Geophysical Observatory imeni Voyeykov. Leningrad, 1954.
- VOLKOV, V. I.** -- "Convergent Series of Linear Positive Operators in the Space of Smooth Functions of Two Variables." Moscow City Pedagogical Inst imeni V. P. Potemkin. Moscow, 1955.
- GORBAN', I. S.** -- "Investigation of the Anomalous Dispersion of Light in Solutions." Kiev State U imeni T. G. Shevchenko. Kiev, 1955.
- GOTSADZE, O. D.** -- "The Complex Dynamic Interpretation of Seismic Observations in the Caucasian Regional Network." Acad Sci USSR. Geophysics Inst. Moscow, 1955.
- YEFREMOV, Ye. P.** -- "On the Stability of Solutions of Calculation Systems of Differential Equations." Kazakh State U imeni S. M. Kirov. Alma-Ata, 1955.
- IVANENKO, I. P.** -- "The Method of Moments in Cascade Theory." Moscow Order of Lenin and Order of Labor Red Banner State U imeni M. V. Lomonosov. Moscow, 1955.
- MANAGADZE, G. D.** -- "A New Method of Quantitative Interpretation of Anomalies in the Force of Gravity." Tbilisi State U imeni I. V. Stalin. Tbilisi, 1955.
- NEUDACHIN, V. G.** -- "On the Problem of Quantum Numbers and Calculation Methods in the Theory of Nuclear Shells." Moscow Order of Lenin and Order of Labor Red Banner U imeni M. V. Lomonosov. Moscow, 1955.
- PASHAYEV, P. A.** -- "Investigation of the Surface Tension of Fractions of Various Petroleum from Azerbaydzhan." Min Education Azerbaydzhan SSR. Azerbaydzhan State Pedagogical Inst imeni V. I. Lenin. Baku, 1955.
- PEREL', V. I.** -- "On the Movement of Positive Ions in Their Own Vapor." Leningrad State Pedagogical Inst imeni A. I. Gertsen. Chair of Theoretical Physics. Leningrad, 1955.
- ROMANOVA, A. V.** -- "Roentgenographic Investigation of a Related Series in Certain Fused Salts and Aqueous Solutions of Electrolytes." Acad Sci Ukrainian SSR, Inst of Metallophysics. Kiev, 1955.
- SKVORTSOV, P. G.** -- "Some Investigations of Congruence and Addition of Fourier Series in Orlich Space." Leningrad State Pedagogical Inst imeni A. I. Gertsen, Chair of Mathematical Analysis. Leningrad, 1955.

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SHIKLOSH, T. -- "On the Theory of Spontaneous Magnetization of Ferromagnetic Semiconductors as a Function of Temperature in the Low-Temperature Region." Moscow Order of Lenin and Order of Labor Red Banner State U imeni M. V. Lomonosov. Moscow, 1955.

CHEMICAL SCIENCES

For the Degree of Candidate in Sciences

DUBNOVSKIY, S. M. -- "Certain Methods of Physicochemical Analysis of Binary Liquid Systems Containing Diethyl Formamide." Min Higher Education. L'vov Agricultural Inst, Chair of Chemistry. L'vov, 1955.

ZAKHVALINSKIY, M. M. -- "On the Interaction of Fused Salts of Lithium and Rubidium in Certain Salt Exchanges." Physicochemical Sci Res Inst of the Irkutsk State U imeni A. A. Zhdanov. Irkutsk, 1955.

IODKO, M. O. -- "A Study of the Dickman Reaction as Applied to the Synthesis of Beta-Tetralone." Min Food Products Industry USSR. Glavparfumer (Main Perfumery). All-Union Sci Res Inst for Synthetic and Natural Essential Oils. Moscow, 1955.

KOMAROV, V. S. -- "Experimental Investigation of the Thermodynamics of Swelling of High Polymers as a Function of the Structure of Binary Mixtures." Acad Sci Belorussian SSR, Department of Physicomathematical and Technical Sciences. Minsk, 1955.

MAZANKINA, K. T. -- "Investigation of the Processes of Destruction of the Substance of Black Coals." Acad Sci USSR. Inst of Mineral Fuels. Moscow, 1955.

MACHARASHVILI, Ye. A. -- "Forms of Water in the Tea Leaf and During its Processing." Published by the Georgian Agricultural Inst. Min Higher Education USSR. Tbilisi State U imeni I. V. Stalin. Tbilisi, 1955.

PIGULEVSKAYA, L. V. -- "Changes in the Chemical Composition of Individual Types of Peat as a Function of Their Age." Acad Sci Belorussian SSR. Department of Physicomathematical and Technical Sciences. Minsk, 1955.

SIDL'YARONOK, F. G. -- "Physicochemical Investigation of Extracts from the Selective Purification of Oils from Sulfurous and Low-Sulfur Petroleum from the Eastern Parts of the USSR." All-Union Sci Res Inst for Processing of Petroleum and Gas and Obtaining Synthetic Liquid Fuels (VNIINP). Moscow, 1955.

YAGODIN, G. A. -- "Investigation of the Isotope Composition of Equilibrium Phases in the Distillation of Ethylene, Ethane, and Methane." Min Higher Education USSR. Moscow Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleev. Order of Labor Red Banner Physicochemical Inst imeni L. Ya. Karpov. Moscow, 1955.

GEOGRAPHICAL SCIENCES

For the Degree of Candidate in Sciences

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BUSHUK, O. A. -- "The Conditions of Regeneration of Anti-Cyclones over the Territory of Europe." Min Higher Education USSR. Leningrad Hydrometeorological Inst. Leningrad, 1955.

KHARITONOVA, V. S. -- "Penza Oblast -- Its Economic-Geographical Characteristics." Moscow City Pedagogical Inst imeni V. P. Potemkin. Penza, 1955.

GEOLOGICOMINERALOGICAL SCIENCES

For the Degree of Candidate in Sciences

BONDAREVA, T. P. -- "The Foraminifera of the Chegan Formation in the Southern Portion of the Aral-Turgay Lowlands and Their Stratigraphic Significance." Min Higher Education USSR. Moscow Petroleum Inst imeni I. M. Gubkin, Chair of General Geology. Moscow, 1955.

KULISHOV, M. P. -- "Petrotectonic Investigation of Rock of Krivoy Rog." Min Higher Education USSR. Dnepropetrovsk Order of Labor Red Banner Mining Inst imeni Artem. Dnepropetrovsk, 1955.

PEI DYAKOV, I. S. -- "The Petrography and Quality of Balakhon Coal of the Southern Regions of the Kuzbass." Tomsk State U imeni V. V. Kuybyshev. Tomsk, 1955.

SHUSHERINA, Ye. P. -- "Investigation of Changes in the Physicomechanical Properties of Soil as a Result of Freezing and Subsequent Thawing." Acad Sci USSR. Inst of Frost Studies imeni V. A. Obruchev. Moscow, 1955.

BIOLOGICAL SCIENCES

For the Degree of Doctor in Sciences

ASFAGAN, M. Sh. -- "The Development of the Ideas of I. M. Sechenov and I. P. Pavlov on the 'Auto-Regulatory System of the Organism'." Kazan' Order of Labor Red Banner State U imeni V. I. Ul'yanov-Lenin. Ufa, 1955.

VLADYCHENSKIY, S. A. -- "Soil-Reclamation Characteristics of the Volga-Akhtuba Valley and the Volga Delta." Moscow Order of Lenin and Order of Labor Red Banner State U imeni M. V. Lomonosov. Moscow, 1955.

GRIGOR'YEV, N. I. -- "The Reactivity of Ethylene in the Small Intestine, Gall Bladder, and Liver of Vertebrate Animals and Man." Min Health RSFSR. Leningrad Sanitary-Hygiene Medical Inst. Leningrad, 1955.

For the Degree of Candidate in Sciences

ABINDER, N. A. -- "Transverse Depression of the Facial Skeleton." Moscow U imeni M. V. Lomonosov. Sci Res Inst of Anthropology. Moscow, 1955.

ANIKINA, V. V. -- "Development and Comparative Evaluation of Methods of Determining the Viability of Eggs of Certain Helminths of Man." All-Union Inst of Helminthology imeni Academician K. I. Skryabin. Simferopol', 1955.

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ATASHANSKY, N. V. -- "Obtaining Highly-Productive Tomato Seeds by Hybridization between Varieties without Removing the Flowers from the Female Plants." Belorussian State U imeni V. I. Lenin. Minsk, 1955.

VERKHOTYNSKY, K. N. -- "Obtaining and Investigating the Properties of a Highly Active Preparation of Pepsin." Inst of Biochemistry, Acad Sci Ukrainian SSR. Laboratory of Enzymes. Kiev, 1954.

GRIGORUKHIN, D. M. -- "The Effect of Small Doses of Ionizing Radiations on Plants." Acad Sci Ukrainian SSR, Inst of Botany. Kiev, 1955.

DANILOVA, Ye. A. -- "Changes in the Hydrophyllic Colloids of Chestnut-Brown Soils of the Volga Region Following Irrigation." Min Higher Education USSR, Rostov na Donu State U imeni V. M. Molotov. Rostov na Donu, 1955.

DOKUKINA, A. P. -- "The Connection between the Boundary Sympathetic Trunks and the Vagus Nerve in the Cervical and Thoracic Regions of Man and Animals." Ryazan' Medical Inst imeni Academician I. P. Pavlov. Ryazan', 1955.

YEVSEYEV, L. I. -- "Changes in the Activity of Acid Phosphatase and the Concentration of Orthophosphates in Neurons of the Vegetative Nervous System in Disturbances of Blood Circulation and Ileus." Min Higher Education USSR. Moscow Veterinary Acad. Moscow, 1955.

YELISEYEV, V. M. -- "On Methods of Agricultural Control of Lowland Swamp of the Taiga Zone of Tomsk Oblast." Tomsk State U imeni V. V. Kuybyshev. Tomsk, 1955.

KONSTANTINOVA, N. A. -- "The Dynamics of the Basic Biological Indexes of Bream in the Northern Portion of the Aral Sea (The Biological Basis for a Rational Utilization of the Stock of Bream)." Moscow Order of Lenin and Order of Labor Red Banner State U imeni M. V. Lomonosov, Soil Biology Faculty. Moscow, 1955.

KONTRIMAVICHUS, V. L. -- "Helminths of Hares of the USSR and Attempts at Their Ecological-Geographic Analysis." Min Agriculture USSR. All-Union Inst of Helminthology imeni Academician K. I. Skryabin. Moscow, 1955.

KRATIN, Yu. G. -- "Electroencephalography and Certain Problems of the Analyzer Activity of Man." Acad Sci USSR, Inst of Physiology imeni I. P. Pavlov. Leningrad, 1955.

LEBEDEVA, V. A. -- "The 'pestraya medveditsa' [Arctiide butterfly?] and the Struggle Against It under Conditions Obtaining in Astrakhan' Oblast." Saratov State U imeni N. G. Chernyshevskiy. Astrakhan', 1955.

LYAKHOVICH, V. P. -- "The Natural Food Base for Fish on the Pond Farms of the Belorussian SSR." Belorussian State U imeni V. I. Lenin. Minsk, 1955.

NIKOLAYEVSKAYA, Z. S. -- "The Chemotherapy of Experimental, Recurrent Tick Typhus." Acad Med Sci USSR. Inst of Epidemiology and Microbiology imeni Honorary Academician N. F. Gamaleya. Moscow, 1955.

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NOVIKOVA, N. S. -- "Increasing the Productivity of the Wheat Spike on the Basis of Stage Analysis of the Conditions of Occurrence of the Third and Fourth Stages of Organogenesis." Moscow Order of Lenin and Order of Labor Red Banner State U imeni M. V. Lomonosov. Moscow, 1956.

RACHKOVA, A. A. -- "Biological and Agricultural Features of Cattle under Conditions Obtaining in the Karelo-Finnish SSR." Min Higher Education USSR. Karelo-Finnish State U, Chair of Darwinism and Genetics. Petrozavodsk, 1955.

SAIDOVA, Kh. M. -- "The Distribution of Foraminifera in the Sediments of the Sea of Okhotsk." Acad Sci USSR. Inst of Oceanology. Moscow, 1955.

SANFIKOVA, O. I. -- "The Effect of Boron and Manganese on the Growth, Crop-Yield, and Carbohydrate Metabolism of Apple Trees." Odessa State U imeni I. I. Mechnikov. Odessa, 1955.

SEYBUTIS, A. A. -- "The Interrelationship between the Structure of Swamps with Their Surrounding Territory and the Soil in Lake Highlands of Eastern Lithuania." Acad Sci Lithuanian SSR. Inst of Biology. Vil'nyus, 1955.

TIROMOV, M. D. -- "Increasing the Fish Productivity of Lakes through Acclimatization and Annual Culture of Carp." All-Union Sci Res Inst of the Lake and River [Fish] Economy. Leningrad, 1955.

TOKTOSUNOV, A. -- "The Rodents of Kirgizia." Acad Sci Kirgiz SSR. Inst of Zoology and Parasitology. Frunze, 1955.

SHFYURMER, Ye. B. -- "Aspects of the Vestigial Processes in the Reflex Reactions of the Respiratory and Vasomotor Centers." Leningrad Order of Lenin State U imeni A. A. Zhdanov. Physiological Inst imeni Academician A. A. Ukhtomskiy. Leningrad, 1955.

TECHNICAL SCIENCES

For the Degree of Doctor in Sciences

DIMENTBERG, F. M. -- "Some Problems of Deflection Oscillations of High-Speed Shafts." Acad Sci USSR. Inst of Machine Science. Moscow, 1955.

KISHINEVSKIY, M. Kh. -- "The Kinetics of Absorption Processes Accompanied by Chemical Reactions." Min Higher Education USSR. Moscow Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleev. Moscow, 1955.

KHUSID, Z. D. -- "Investigation of the Process of Grinding Grain." Min Higher Education USSR. Moscow Technological Inst of the Food Industry. Moscow, 1955.

For the Degree of Candidate in Sciences

ARKHANGEL'SKIY, I. A. -- "Reliability of Operating Remote-Control Equipment and Problems of Using Contact-Free Elements." Min Higher Education USSR. Moscow Engineering-Physics Inst. Moscow, 1955.

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- BARANOV, V. F.** -- "A Beta Spectrometer with Dual Focusing of the Electron Bundle in a Magnetic Field Using a System of Round Coils not Containing Iron." Min Higher Education USSR. Moscow Engineering-Physics Inst. Moscow, 1955.
- BARONENKOV, A. V.** -- "The Selection of a System of Operating a Mining Enterprise." Min Higher Education USSR. Moscow Mining Inst imeni I. V. Stalin. Moscow, 1955.
- BELEN'KIY, D. M.** -- "Investigation of Scraper Conveyors from the Point of View of Automating Their Control." Min Higher Education USSR. Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst. Leningrad, 1955.
- BERKINA, S. N.** -- "On the Problem of Calculating the Strength of Arches of Arbitrary Geometry." Min Railways USSR. Moscow Order of Lenin and Order of Labor Red Banner Inst of Railroad Transport Engineers imeni I. V. Stalin. Moscow, 1955.
- BERLIN, Ye. M.** -- "The Development and Investigation of a Current Regulator for the Transmission of High-Voltage DC Power." Min Higher Education USSR. Leningrad Polytechnic Inst imeni M. I. Kalinin. Leningrad, 1955.
- BORISOV, R. I.** -- "Stable Non-Symmetrical Systems with Part-Phase Operation of Long Electric-Power Transmission Lines." Min Higher Education USSR. Tomsk Order of Labor Red Banner Polytechnic Inst imeni S. M. Kirov. Tomsk, 1955.
- BURKOV, V. V.** -- "Investigation of the Cooling Surfaces of Sectional Radiators of Transport Machinery." Min Higher Education USSR. Leningrad Polytechnic Inst imeni M. I. Kalinin. Leningrad, 1955.
- BUSHUYEVA, V. S.** -- "Investigation of Reading Errors in Measuring Dimensions in Machine Building." Min Higher Education USSR. Moscow Machine-Tool and Tool Inst imeni I. V. Stalin. Moscow, 1955.
- BYCHVAROV, I. V.** -- "High-Speed Industrial Construction of Small Artificial Structures on the Single-Track Railroad Lines Being Rebuilt Under Conditions Existing in Bulgaria." Min Railways USSR. Leningrad Order of Lenin Inst of Railroad Transport Engineers imeni Academician V. N. Obratsov. Leningrad, 1955.
- VASIL'YEV, G. P.** -- Increasing the Spindle Stability of the SKhS Horizontal-Spindle Cotton-Picking Machine." Min Higher Education USSR. Central Asia Polytechnic Inst. Tashkent, 1955.
- VEPRITSKIY, A. S.** -- "Investigating a Water-Ring Pump in Operation on Water Supplies and the Mechanical Milking of Cows." Joint Scientific Council, All-Union Sci Res Inst for the Mechanization of Agriculture (VIM); and All-Union Sci Res Inst for the Electrification of Agriculture (VIESKh). Moscow, 1955.
- VINOGOROV, G. K.** -- "Investigation of the Coefficient of Adhesion of Narrow-Gauge Forest Locomotives with Axle Loads of Four Tons." Min Higher Education USSR. Moscow Forestry Engineering Inst. Moscow, 1955.

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- GALKOVSKAYA, M. G. -- "Problems of the Technical-Economic Basis of Impeller Systems for Water Reservoirs." Min River Fleet USSR. Gor'kiy Inst of Water Transport Engineers. Gor'kiy, 1955.
- GURETSKAYA, V. L. -- "Perfecting Methods of Evaluating the Quality of 'baranochnyye' Parts." Min Higher Education USSR. Moscow Technological Inst of the Food Industry. Leningrad, 1955.
- ZAKALINSKIY, S. I. -- "Investigation of Problems of the Development of Strata of Increased Thickness in the Basin near Moscow." Academy of the Coal Industry, Min Coal Industry USSR. Moscow, 1955.
- ZIL'BERMAN, G. M. -- "Investigation of the Wear of High-Melting Shaped Cutters with Radial Feed." Min Higher Education USSR. Ural Polytechnic Inst imeni S. M. Kirov. Sverdlovsk, 1955.
- ZUYKOV, A. I. -- "The Selection of Rational Location of Drifts Adapted to Existing Systems of Working Thick Inclined and Sloping Coal Seams in the Chelyabinsk Brown-Coal Basin." Min Higher Education USSR. Moscow Mining Inst imeni I. V. Stalin. Moscow, 1955.
- IVANOV, Yu. I. -- "Mining Peat in Upland Deposits Subject to Landslides." Min Higher Education USSR. Moscow Peat Inst. Moscow, 1955.
- KARPENKO, N. V. -- "Investigation of the Laws of Movement and Precipitation of Granules in Locks with Low Water Levels." Min Higher Education USSR. Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst. Leningrad, 1955.
- KRAVTSOV, S. F. -- "Investigation of the Heat Exchange in Electrical Resistance Parts Made on a Cylindrical Core." Min Higher Education Ukrainian SSR. Kiev Order of Lenin Polytechnic Inst. Kiev, 1955.
- KRASNOV, G. D. -- "Grinding Abrasive Materials in a Vibration Grinder." Min Higher Education USSR. Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst. Leningrad, 1955.
- KRUMM, L. A. -- "Methods of Calculating Stationary Operation of Electrical Systems with Primary and Secondary Automatic Frequency Regulation; and the Effect of Electrical Connections on Frequency Regulation." Min Higher Education USSR. Tomsk Order of Labor Red Banner Polytechnic Inst imeni S. M. Kirov. Tomsk, 1955.
- KUVSHINOV, B. I. -- "Investigation of Methods of Receiving Weak Signals." Min Communications USSR. Moscow Electrical Engineering Inst of Communications. Moscow, 1955.
- KURNOSOV, A. M. -- "A Comparison of Stage and Panel Methods of Preparing a Mine Field under the Conditions of a Solitary Inclined Seam in the Donbass". Acad Sci USSR. Inst of Mining. Moscow, 1955.
- LEVINA, Z. M. -- "Investigation and Calculation of Support Runners and Tables of Metal-Cutting Machine Tolls in Combined Operation with Guides." Min Higher Education USSR. Moscow Machine Tool and Tool Inst imeni I. V. Stalin. Moscow, 1955.
- MARKANOV, N. A. -- "'Penoganch' [foamed gypsum-clay stucco binder?]." Inst of Structures, Acad Sci Uzbek SSR. Tashkent, 1955.

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- METREVELI, V. I. -- "Electric-Power Consumption of Machine and Tractor Stations in the Georgian SSR." Published by the Georgian Agricultural Inst. Min Higher Education USSR. Georgian Order of Labor Red Banner Agricultural Inst. Tbilisi, 1955.
- NALIVKIN, V. A. -- "Investigation of the Marginal Wear and Repair Profile of the Cams on a Distributor Shaft." Min Higher Education USSR. Moscow Automobile and Road Inst imeni V. M. Molotov. Moscow, 1955.
- NIKOLADZE, G. I. -- "Seeking a Rational Drainage Design for an AKKh Filter System." Published by the Min Communal Economy. Acad of the Communal Economy imeni K. D. Pamfilov. Moscow, 1955.
- NIKONOV, I. P. -- "Investigation of the Processes of Automatic Three-Phase Welding with an Additional Wire Feed." Min Higher Education USSR. Ural Polytechnic Inst imeni S. M. Kirov. Sverdlovsk, 1955.
- NORKIN, V. V. -- "Investigation of the Process of Electro-Separation of Fine Grades of Manganese Ores in the Electrical Field of Corona Discharge." Min Higher Education USSR. Moscow Mining Inst imeni I. V. Stalin. Chair of Dressing of Useful Minerals. Moscow, 1955.
- PAVLOV, V. L. -- "Investigation of the Deformation of Metal in Rolling Large Castings." Acad Sci Ukrainian SSR. Inst of Ferrous Metallurgy. Dnepropetrovsk, 1955.
- PLATONOV, V. M. -- "The Distribution of Industrial Mixtures of Hydrocarbon Gases by the Method of Continuous Adsorption." Min Higher Education USSR. Moscow Inst of Chemical Machine Building. Moscow, 1955.
- PODOYMA, V. D. -- "Investigation of the Processes of Mixing in the Dissolution of Solid Bodies." Min Health USSR. All-Union Sci Res Chemicopharmaceutical Inst imeni S. Ordzhonikidze (VNIKhFI). Moscow, 1955.
- RAUKAS, U. V. -- "Investigation of the Operation of Reinforced-Concrete Beams of Non-Rectangular Cross-Section under Deflection with a Transverse Force." Min Higher Education USSR. Ural Polytechnic Inst imeni S. M. Kirov. Sverdlovsk, 1955.
- SEVER'YANOV, N. N. -- "The Railroads of Open-Pit Coal Mines." Leningrad Order of Lenin Inst of Railroad Transport Engineers imeni V. N. Obratsov. Leningrad, 1955.
- SERGIYEVSKAYA, Ye. N. -- "Determination of the Optimum Settings of VTI Electronic Regulators for Regulation with Self-Equilibration." Min Electric Power Stations USSR. All-Union Order of Labor Red Banner Heat Engineering Sci Res Inst imeni F. E. Dzerzhinskiy.
- SKRYABIN, G. N. -- "Investigation of the Process of Cutting Peat at Various Cutting Speeds (Adapted to Mining Kuskovo Peat)." Min Higher Education USSR. Moscow Peat Inst. Moscow, 1955.
- TATEVOSYAN, S. Ya. -- "The Effect of Reduced Air Density on the Volt-Second Characteristics of Porcelain Insulators." Min Higher Education USSR. Leningrad Polytechnic Inst imeni M. I. Kalinin.
- TOPORISHCHEV, G. A. -- "Investigation of the Electrolysis and Polarization of Mangnaese Ores." Min Higher Education USSR. Ural Polytechnic Inst imeni S. M. Kirov. Sverdlovsk, 1955.

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TYMOVSKIY, L. G. -- "Investigation of Road Systems, Road Gradient, and the Traffic Capacity of Sidings in Opening Up Deep Open-Pit Mines." Min Higher Education USSR. Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst, Chair of Mine Transport. Leningrad, 1955.

KHAN DO KHE -- "Investigation of Tooth-Cutting Tools with Flanged Profile." Min Higher Education USSR. Moscow Machine-Tool and Tool Inst imeni I. V. Stalin. Moscow, 1955.

CHIZHOV, B. N. -- "Investigation of the Effect of Some Small Deviations in the Dimensions of Blades on the Effectiveness of Compressor Gratings." Min Higher Education USSR. Leningrad Polytechnic Inst imeni M. I. Kalinin. Leningrad, 1955.

CHURSIN, V. M. -- "Investigation of the Effects of Casting Conditions and Small Additions of Certain Elements on the Structure and Properties of Cast Lead Bronze." Min Higher Education USSR. Moscow Inst of Nonferrous Metallurgy and Gold imeni M. I. Kalinin, Chair of "Foundry Practice." Moscow, 1955.

SHOLOKHOV, V. N. -- "Some Problems of the Formation of Supported Materials of Low-Pressure Dikes on Upper-Piedmont Portions of Rivers." Min Higher Education USSR. Tashkent Inst of Engineers of Irrigation and Mechanization of Agriculture (TIINSKh). Tashkent, 1955.

SHCHAGIN, V. V. -- "Methods of Thermodynamic Investigation of the Working Process of Ship Steam Engines." Min Maritime Fleet USSR. Leningrad Higher Engineering Maritime School imeni Admiral S. O. Makarov. Leningrad, 1955.

SHCHERBACHENKO, A. V. -- "Investigation of the Wear Resistance of Wrist Pins and Liners of Connecting Rods of DMA Engines." Min Higher Education USSR. Ukrainian Order of Labor Red Banner Agricultural Academy. Stalingrad, 1955.

YUDIN, V. F. -- "Investigation of the Processes of Interaction between Water Vapor and Carbon." Min Heavy Machine Building USSR. Central Sci Res Boiler and Turbine Inst imeni I. I. Polzunov (TsKTI). Leningrad, 1955.

AGRICULTURAL SCIENCES

For the Degree of Doctor in Sciences

TULAYKOVA, K. P. -- "Directed Regulation of the Composition of the Microflora of Hemp Roots in Order to Improve Root Nutrition and Increase the Harvest of This Crop." Min Higher Education USSR. Leningrad Agricultural Inst. Leningrad, 1955.

YASINSKIY, M. A. -- "Conditions for the Development of Spring Wheat in the Eastern Regions of the USSR and Sowing Time." Min Higher Education USSR. Leningrad Agricultural Inst. Leningrad, 1955.

For the Degree of Candidate in Sciences

ALAKHVERDOV, A. S. -- "The Effect of Motion on the Growth and Development of Young Hill and Mountain Plants under Conditions of Suburban Agriculture." Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev. Moscow, 1955.

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- VOVCHENKO, D. P. -- "Brownness of Pear Seedlings and Measures to Combat It in the Forest-Steppe Zone of the Ukrainian SSR." Ukrainian Sci Res Inst of Fruit Growing. Mleyev Sci Res Station of Fruit Growing. Mleyev, 1955.
- GLADENKO, V. K. -- "Measures Toward the Rational Use of Horses on the Kolkhozes of Minsk Oblast, Belorussian SSR." Min Higher Education USSR. Novochoerkassk Zooveterinary Inst imeni First Cavalry Army. Novochoerkassk, 1955.
- GONYANINA, N. Ya. -- "Increasing the Milk and Meat Productivity of Cattle in the Arid Zone of Grozny Oblast." All-Union Sci Res Inst of Animal Husbandry. Moscow, 1955.
- GUSEYNOV, A. A. -- "The Effect of Oil Shale and Bituminous Rock on the Crop Yields of Cotton." Min Higher Education USSR. Voronezh Agricultural Inst. Voronezh, 1955.
- D'YAKONOVA, K. V. -- "Soil as a Source of Carbon Dioxide for Plants under Irrigated and Non-Irrigated Conditions of the Pre-Caucasian Chernozems." Acad Sci USSR. Soil Inst imeni V. V. Dokuchayev. Moscow, 1955.
- KORBUT, N. F. -- "Methods of Increasing Crop Yields of Tobacco in Regions of the Ukrainian SSR." Min Higher Education Ukrainian SSR. Belotserkov' Agricultural Inst. Kiev, 1955.
- MARTYNOVSKIY, V. S. -- "Annual Fodder Plants and Their Mixtures for Grain Silage on the Meadows of the Middle Course of the Dnepr." Min Higher Education USSR. Ukrainian Order of Labor Red Banner Agricultural Inst. Kiev, 1955.
- PARNYAKOV, V. L. -- "Glazing of Tomatoes before Early Autumn Frosts under Conditions of Rain Irrigation." All-Union Sci Res Inst of Hydraulic Engineering and Soil Improvement. Moscow, 1955.
- SAVEL'YEVA, L. S. -- "Biological Properties of the Golden Currant -- Ribes aureum Pursh -- In Protected Plantings on the Chestnut-Brown Soils of Stalingrad Oblast." Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev. Moscow, 1955.
- SELIYEVSKIY, M. A. -- "Feeding and Reproduction of Chickens in Grozny Oblast According to Data from Progressive Farms and Experiments." Leningrad Veterinary Inst, Min Agriculture USSR. Grozny, 1954.
- SEN'KO, A. M. -- "The Development of New Methods of Selection for Non-Perishable Breads." Min Higher Education USSR. Leningrad Agricultural Inst. Leningrad, 1955.
- SMIRNOVA, V. A. -- "The Effect of Irrigation on the Crop Yields of Apple Trees under Conditions Existing in Voroshilovgrad Oblast." Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev. Moscow, 1955.
- SOLDATOV, A. P. -- "Economic-Biological Characteristics of Hybrids Resulting from Crossing Coarse-Wooled Long-Tailed Sheep with Rams of the Prekos Breed under Conditions of Tataria." Moscow Veterinary Academy, Min Higher Education USSR. Moscow, 1955.

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SOSINA, Ye. I. -- "Agrobiological Characteristics and Regional Distribution of Types of Grapes in Kirgizia." Min Higher Education USSR. Kazakh State Agricultural Inst. Frunze, 1955.

TELYATNIKOVA, G. N. -- "Agrobiological Study and Selection of Types of Cherries for Rav-Materials Zones of the Food-Preserving Industry." Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev. Moscow, 1955.

KHOLODOV, A. G. -- "Hydrophobization of Soils. Hydrophobic Soil, Some of Its Properties and Uses." All-Union Order of Lenin Academy of Agricultural Sciences imeni V. I. Lenin. Agrophysics Sci Res Inst. Leningrad, 1955.

SHABUNINA, M. M. -- "On the Role of Perennial Grasses in the Crop Yields of Pest-Bog Soils." Acad Sci Belorussian SSR. Inst of Soil Improvement, and the Water and Swamp Economy. Minsk, 1955.

SHIMOK, L. -- "Pedigreed Swine Raising in Czechoslovakia and Measures to Improve It." Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev. Moscow, 1955.

VETERINARY SCIENCES

For the Degree of Doctor in Sciences

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